

# Contribution of EU-funded R&I to reducing agricultural GHG emissions

ENOUGH project seminar “Accelerating Action to Reduce Greenhouse Gas Emissions in the Food Value Chain”

***Matthias Leonhard Maier***

*AGRI.F.2, Research & Innovation*

13/06/2025

# Funding instruments in Horizon (Europe)

- **Horizon 2020** "legacy" projects/programmes
  - EJP SOIL
  - ENOUGH, ClieNFarms, ...
- HE Cluster 6 "**Food**, Bioeconomy, Natural Resources, **Agriculture** and Environment"
  - Destination "Land, ocean and water for climate action"
  - Other relevant Destinations, incl. Food systems
- **EU Missions**
  - "A Soil Deal for Europe" (Mission Soil): living labs + more "traditional" R&I projects
  - Mission Adaptation; Mission Oceans & Waters



# Selected projects' focus areas

- Monitoring and reducing emissions in different **production systems**
  - **Livestock**: Re-Livestock, NUTRITIVE, STEP UP
  - **Arable/integrated** farming: ClieNFarms; multi-layer demonstration network (Climate Farm Demo, ClimateSmartAdvisors, ClimateSmartResearch)
  - **Organics** (e.g. OrganicClimateNET), **agroecology** (Partnership AE)
- **Cross-cutting** practices/approaches
  - Reducing **fossil-input** dependence (AgEnRes)
  - **Carbon farming**: networking/coordination (Credible), MRV (MRV4SOC, MARVIC), registries (CAFAMORE, OGCR), international cooperation (ORCaSa)
  - **Paludiculture**: modelling (Paludi4All), large-scale demonstration (PALUS DEMOS, PaluWise)
  - **Land-use change** and local/regional climate (LandShift, EARTHONE)



# Some achievements and challenges

- Climate-policy **tracking** in Horizon Europe
  - Ex-ante spending targets (over-)achieved
  - Outcomes/impacts more difficult to measure and attribute
- Involving "**non-usual** suspects"
  - Multi-actor approach in Cluster 6 and beyond
  - Living labs (not only) in Mission Soil
- Applying food-**system approaches** in R&I
  - Individual projects tackling the challenge
  - Stronger integration of work programmes, scientific communities?



# What next?

- **WP 2025 calls** (open until mid-September)
  - Cluster 6 topics incl. on **non-CO<sub>2</sub>** emissions (MRV and mitigation measures), **grassland** management in livestock farming
  - Mission Soil topics incl. additional (bottom-up) **living labs**, global **soil footprint** methodology
- **WP 2026/2027** preparations
  - Commission proposal **October**, publication **December 2025** (TBC)
- Multi-annual financial framework (**MFF**) 2028-2034
  - FP10? EU Missions?

